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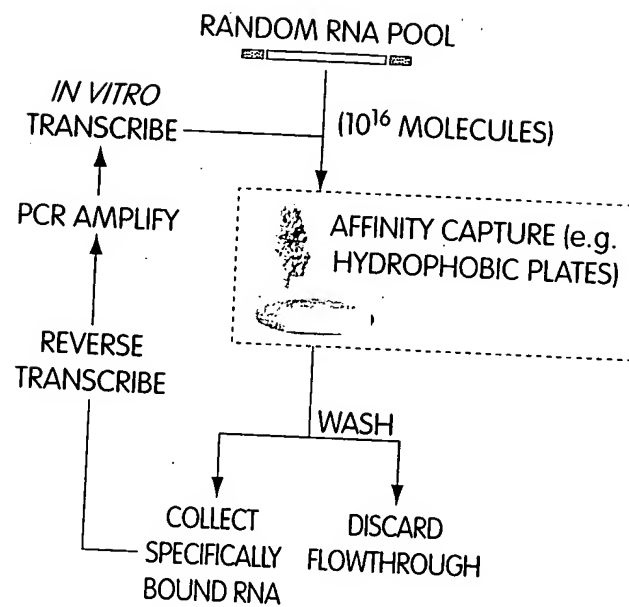


Fig. 1

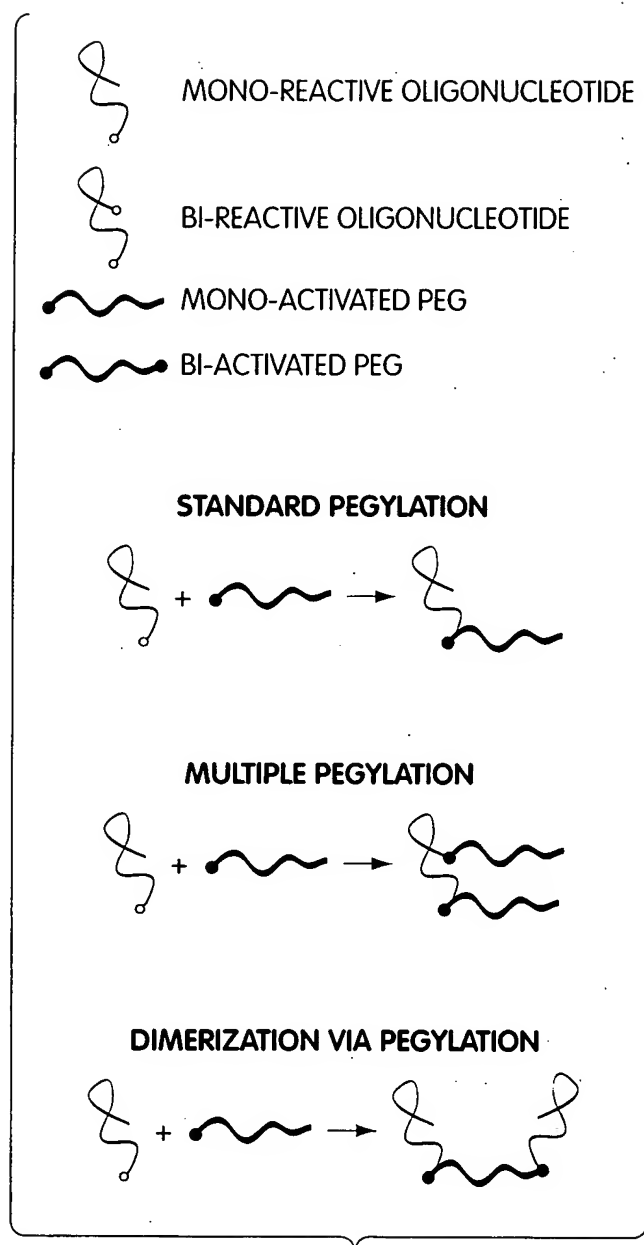


Fig. 2

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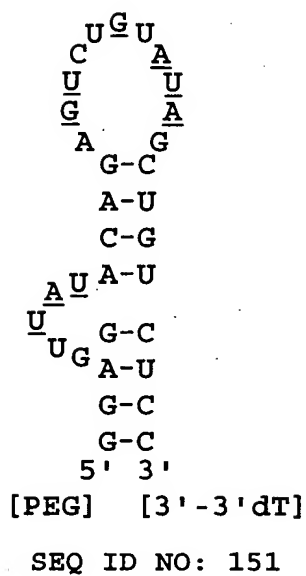


Fig. 3A

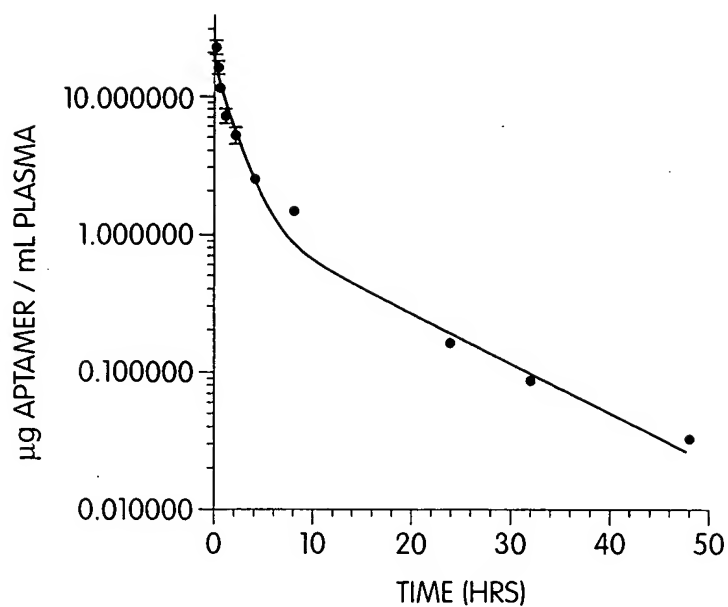


Fig. 3B

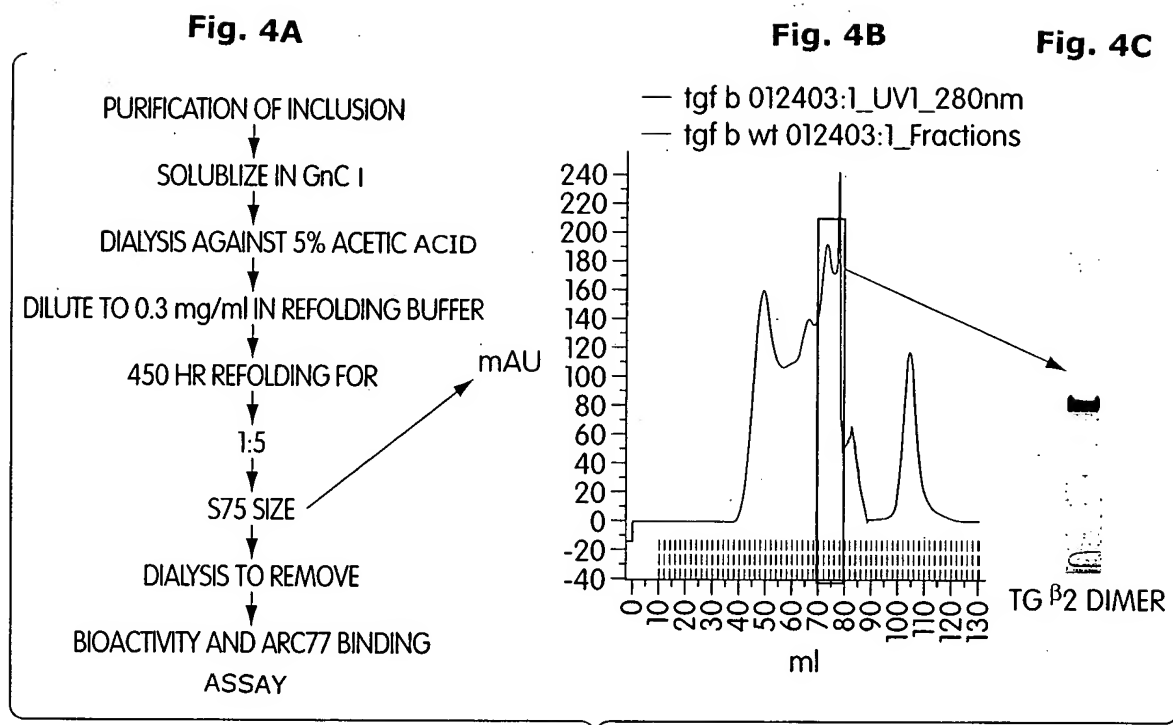


Fig. 4

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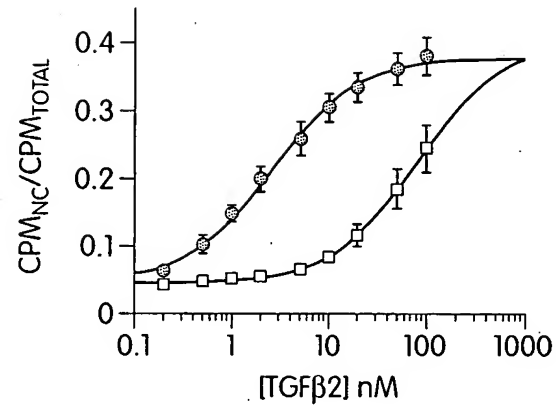


Fig. 5A

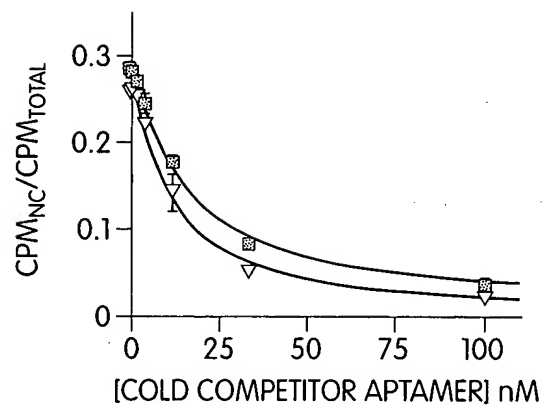


Fig. 5B

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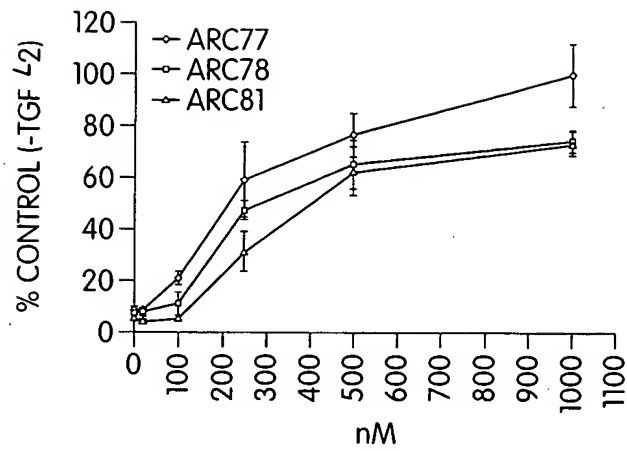


Fig. 6A

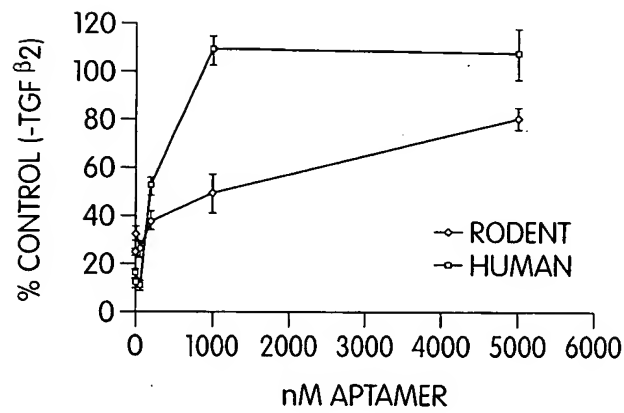


Fig. 6B

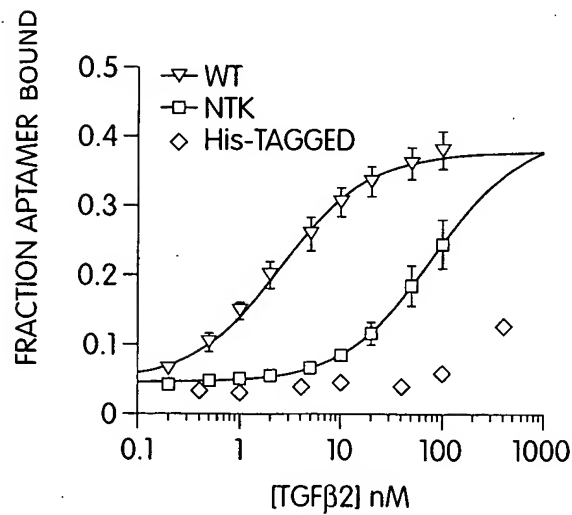


Fig. 6C

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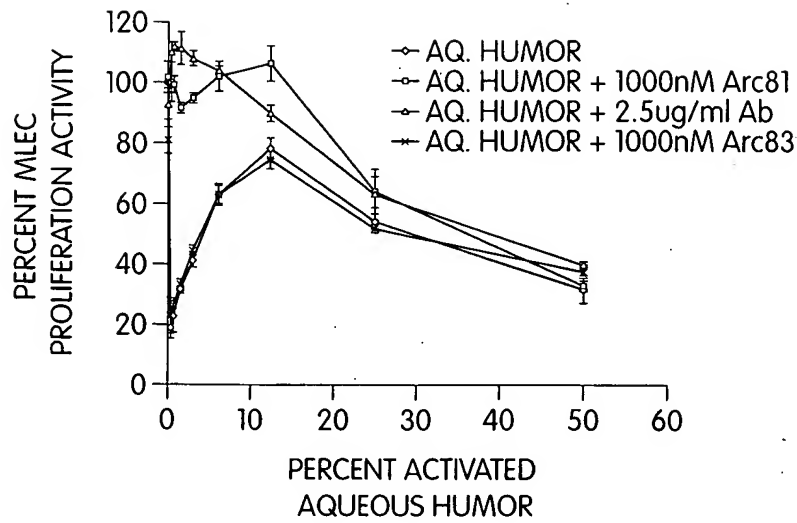


Fig. 7A

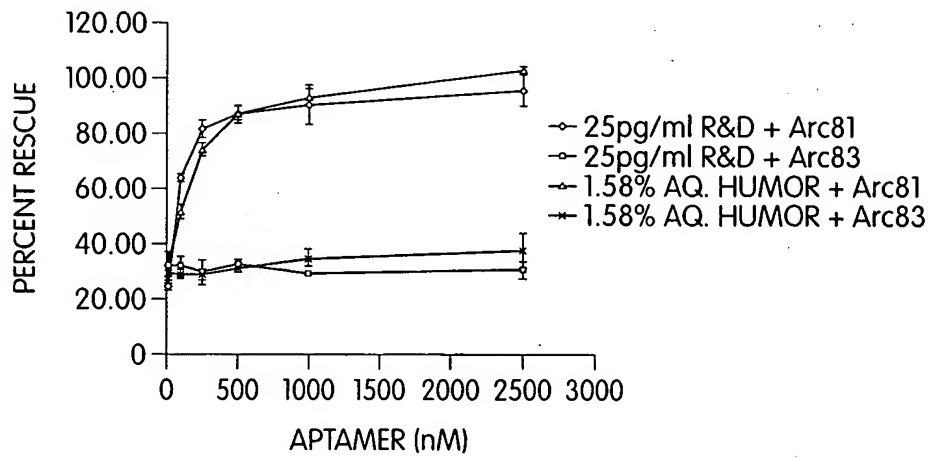


Fig. 7B

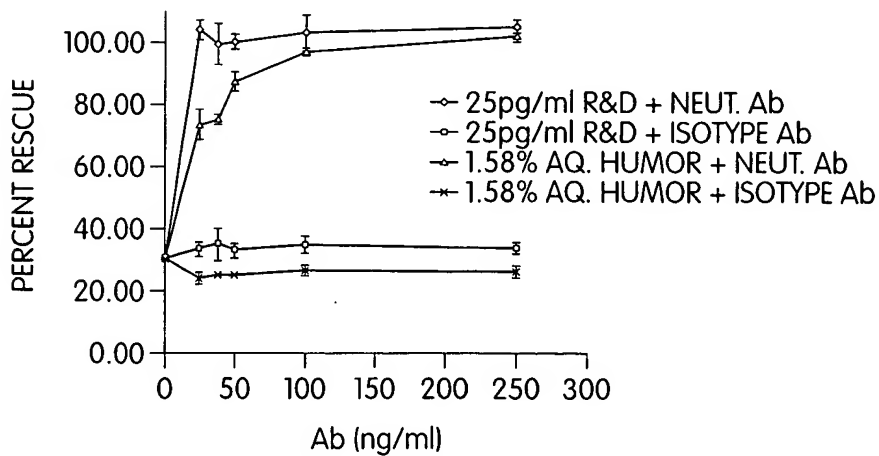


Fig. 7C

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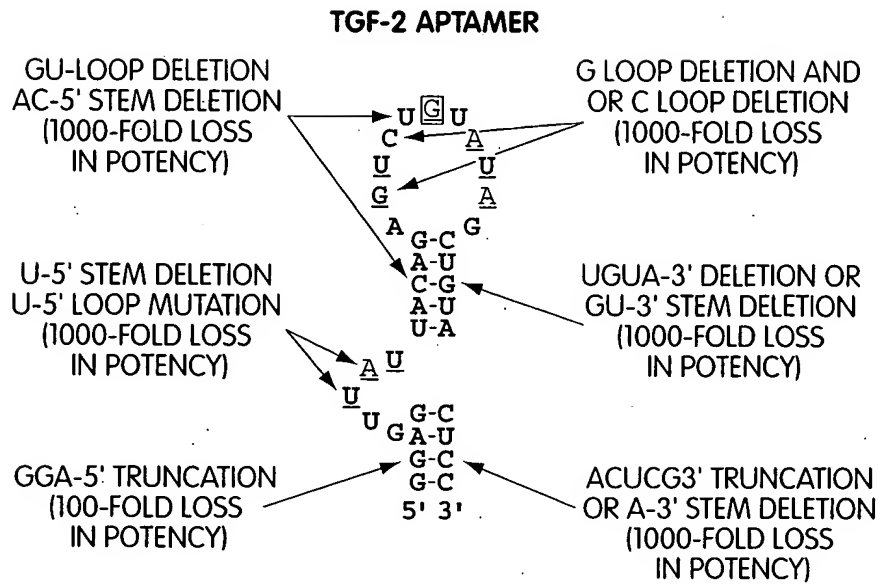


Fig. 8A

TGF $\beta$	K <sub>d</sub>
TGF $\beta$ 2	~2 nM
TGF $\beta$ 3	>30 $\mu$ M
TGF $\beta$ 1	>200 nM

Fig. 8B

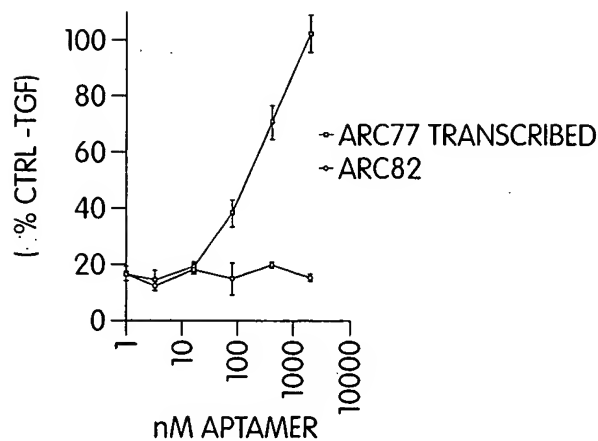
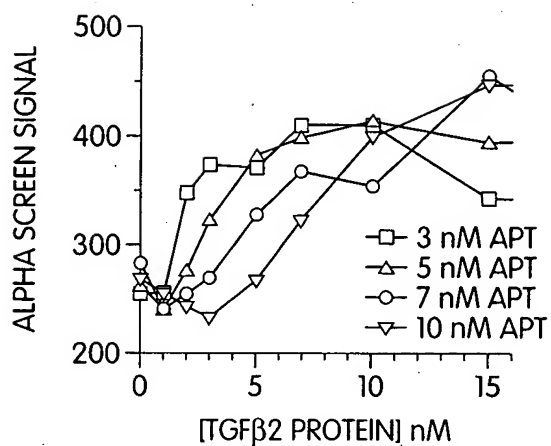


Fig. 8C

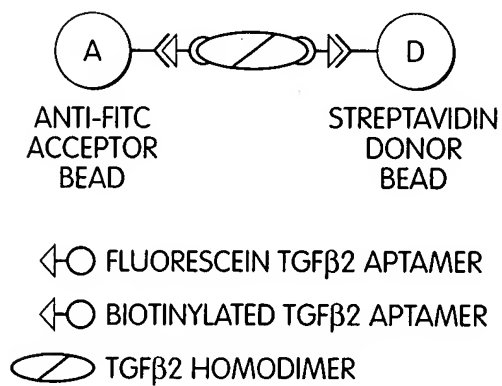


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**Fig. 9A**



**Fig. 9B**



**Fig. 9**

Fig. 10A

WT	ALDAAYCFRNVQDNCCLRPPLYIDFKRDLGW	(SEQ ID NO: 152)
N-Long tag	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWALDAAYCFRNVQDNCCLRPPLYIDFKRDLGW	(SEQ ID NO: 153)
N-Short tag	MHHHHHALDAAYCFRNVQDNCCLRPPLYIDFKRDLGW	(SEQ ID NO: 154)
WT	GYNANFCAGACPYLWSSDTQHSRVLSTYNTINPEASAPCCVSQDLEPLTILYYIGKTPKIEQ	LSNMI (SEQ ID NO: 155)
N-Long tag	GYNANFCAGACPYLWSSDTQHSRVLSTYNTINPEASAPCCVSQDLEPLTILYYIGKTPKIEQ	LSNMI (SEQ ID NO: 156)
N-Short tag	GYNANFCAGACPYLWSSDTQHSRVLSTYNTINPEASAPCCVSQDLEPLTILYYIGKTPKIEQ	LSNMI (SEQ ID NO: 157)

Fig. 10B

TGF $\beta$ 2	EC100 (pM)	Kd APTAMER (nM)	Ic50 APTAMER (nM)
WT	~0.5	~2.5	~200
S59T/R60K/K94N	~0.5	~80	~3000
K94N	~0.5	~2.5	~200
N-LONG TAG	~40	>500	NO EFFECT
N-SHORT TAG	~20	~300	n.d.

Fig. 10

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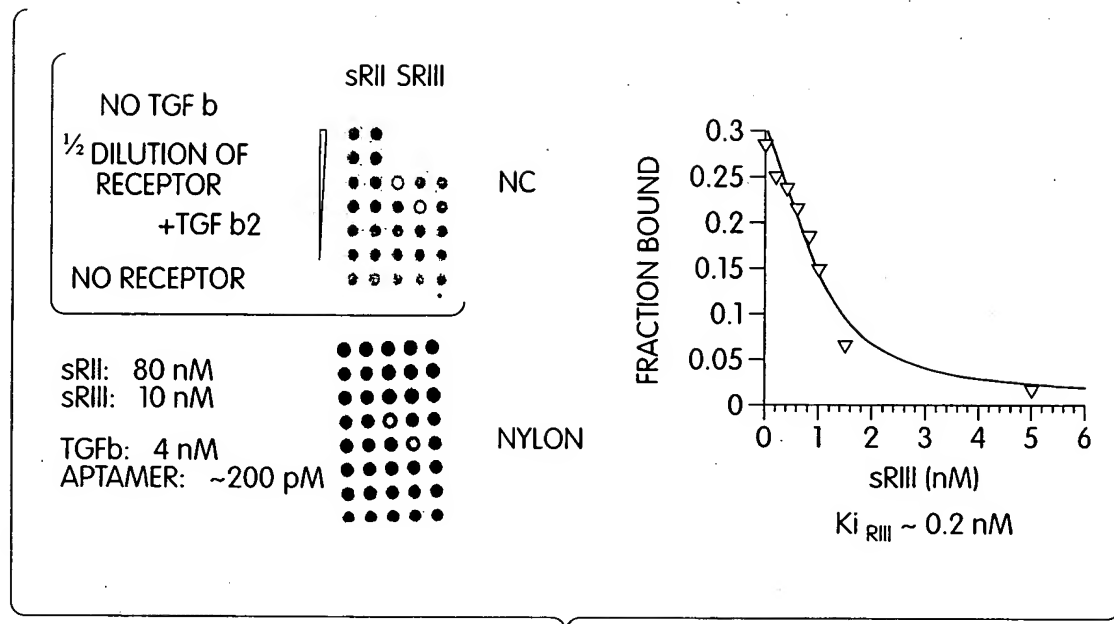


Fig. 11A

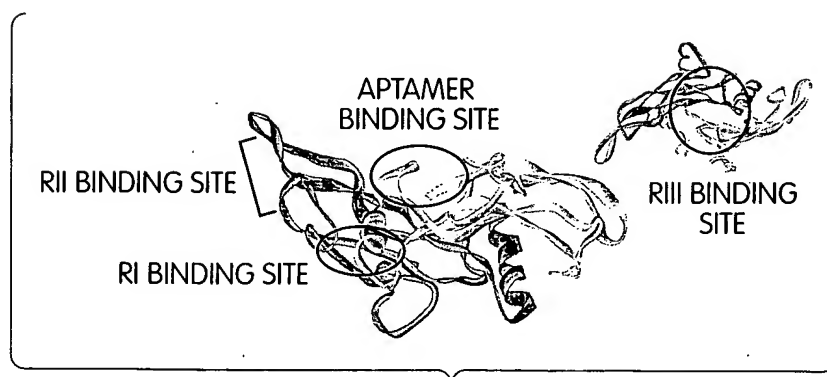


Fig. 11B

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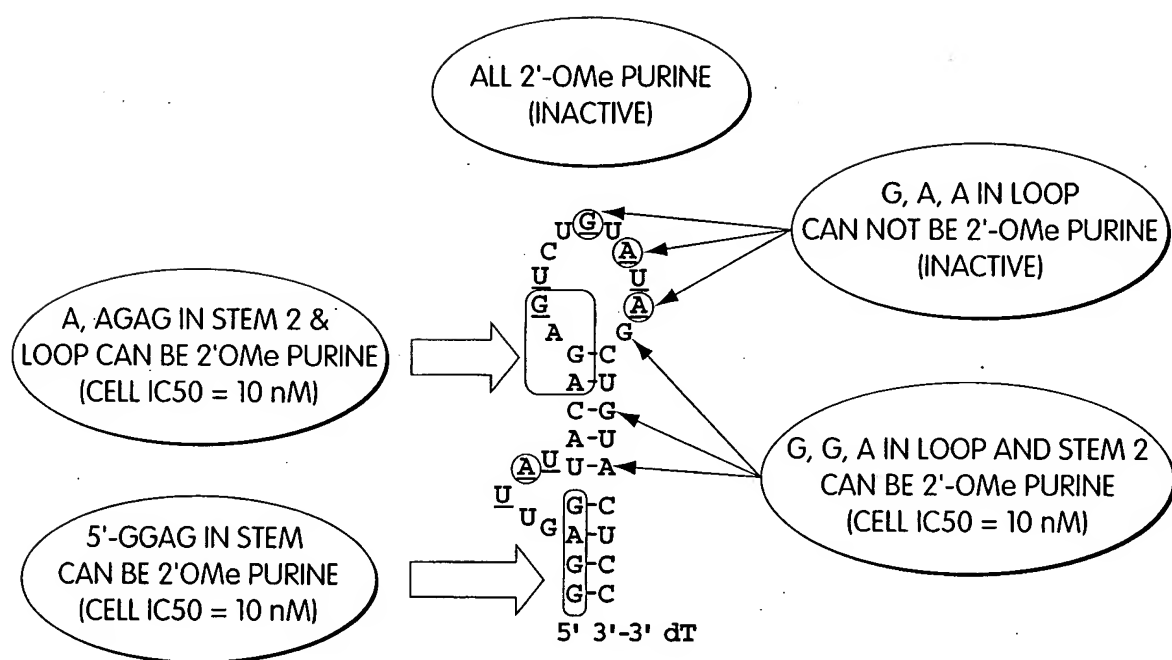


Fig. 12

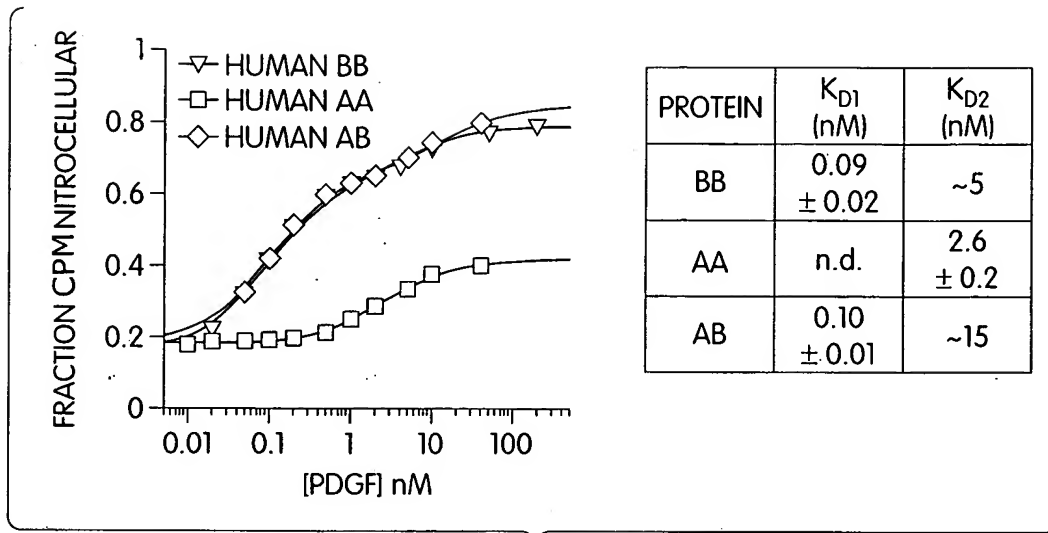


Fig. 13A

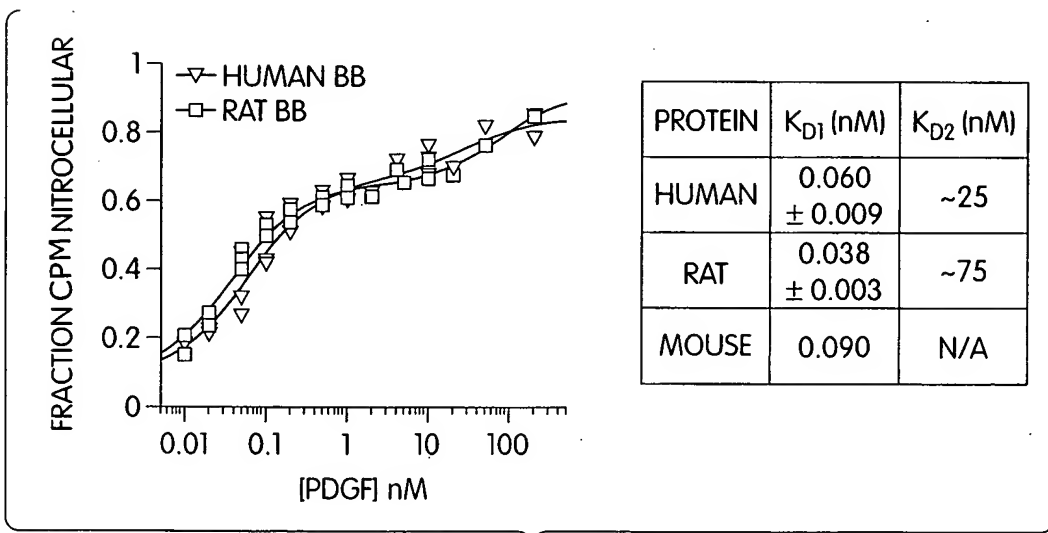


Fig. 13B

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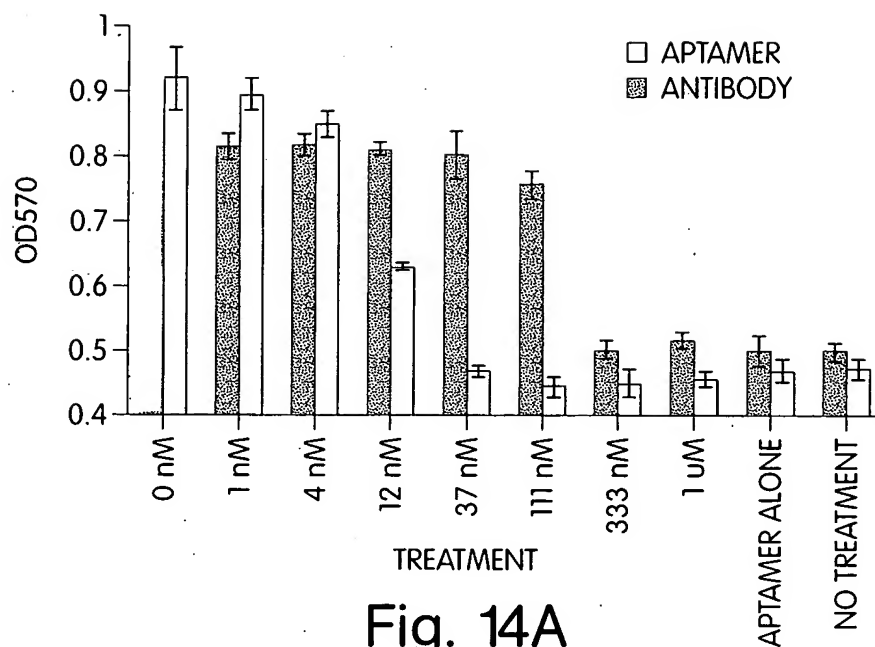


Fig. 14A

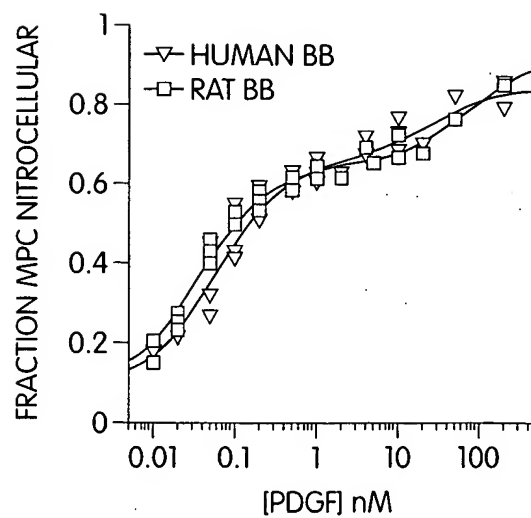


Fig. 14B

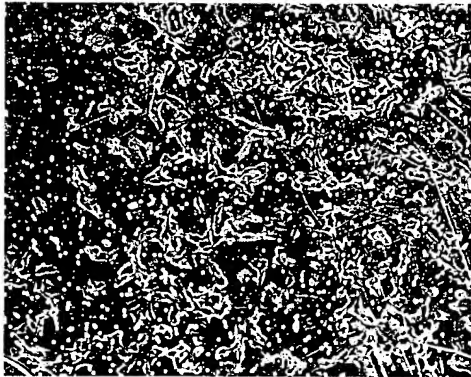


Fig. 15A

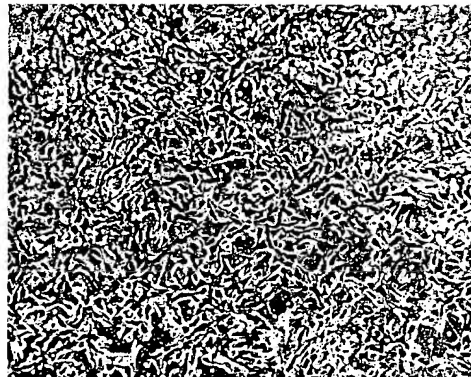


Fig. 15B



Fig. 15C

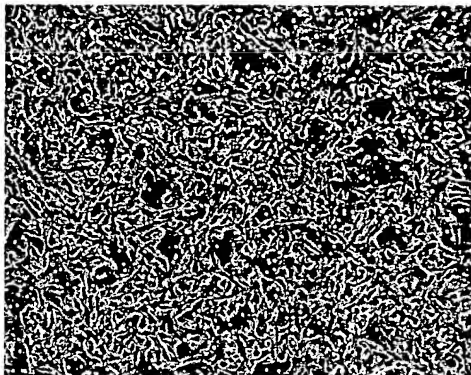


Fig. 15D

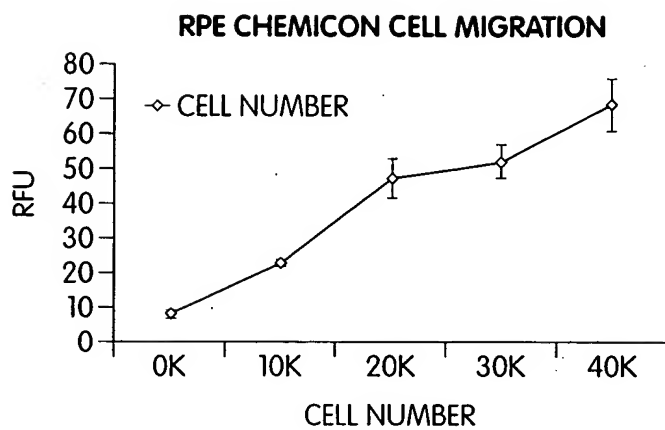


Fig. 15E

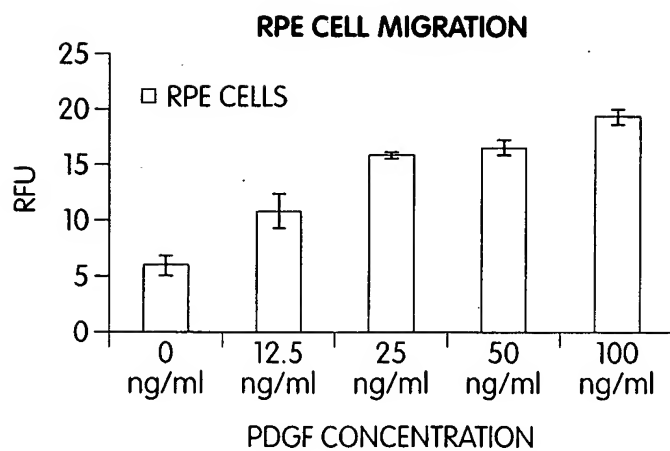


Fig. 15F



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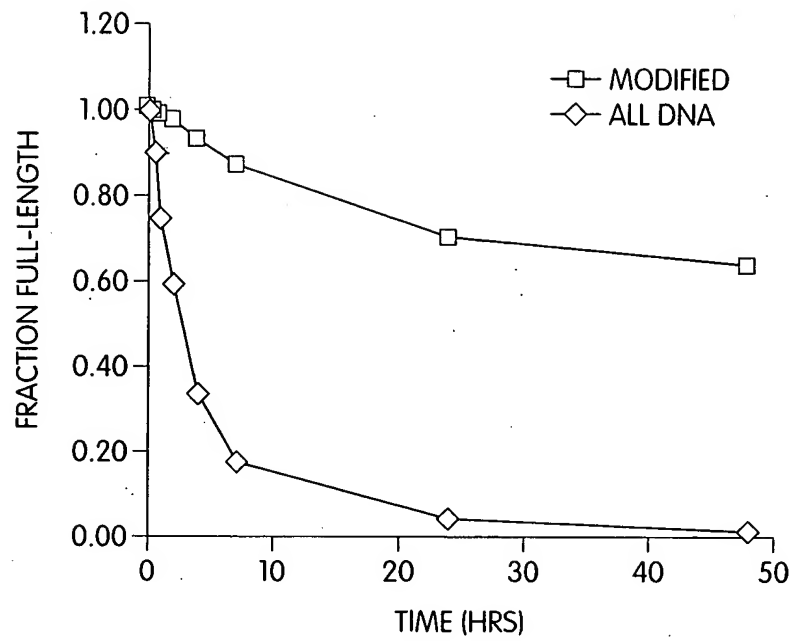


Fig. 16

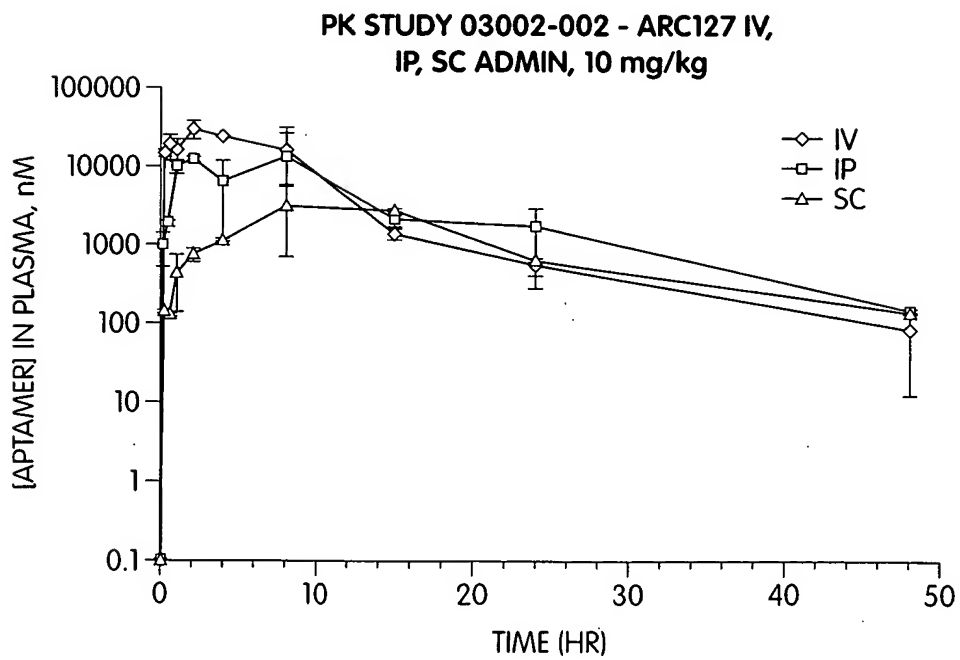


Fig. 17

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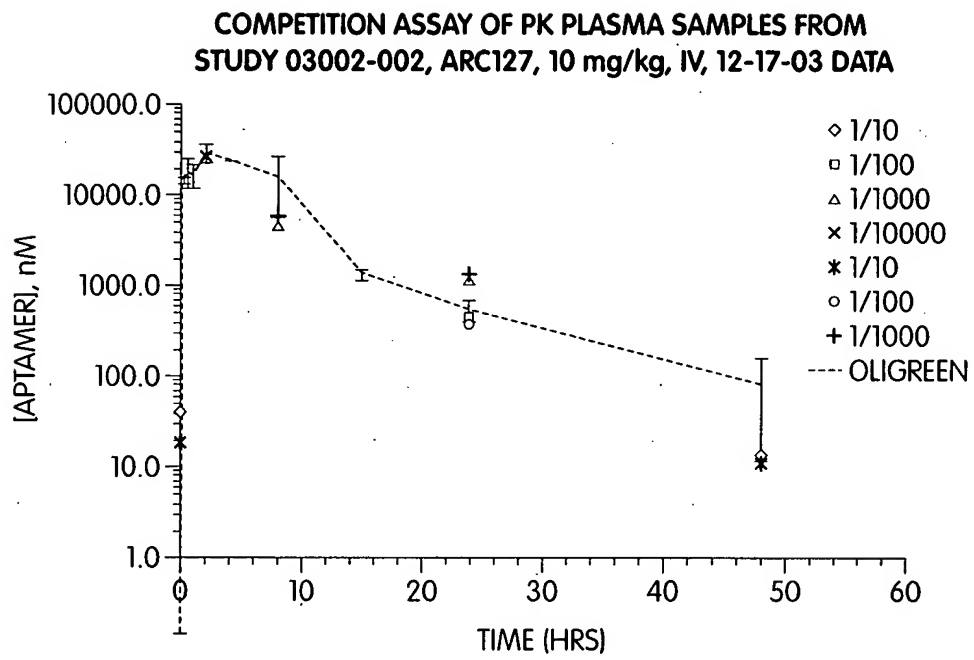


Fig. 18

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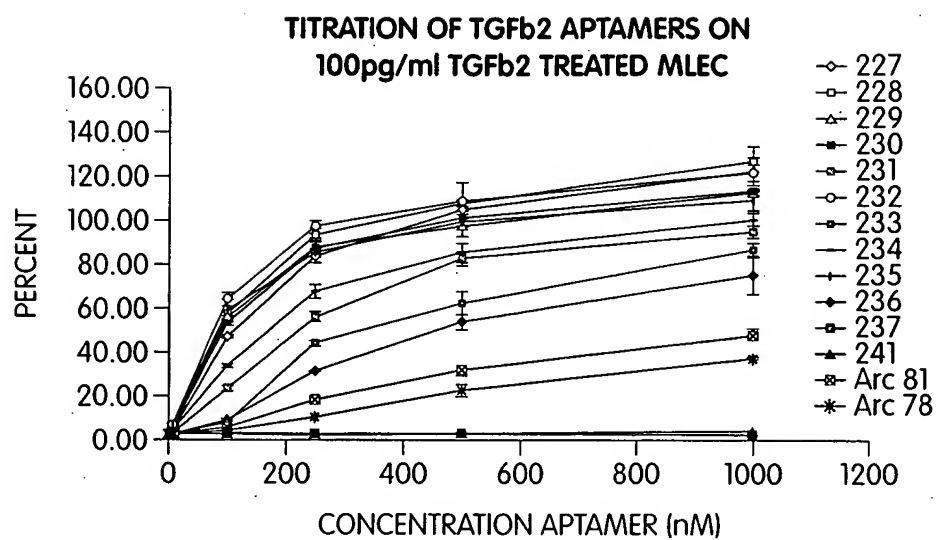


Fig. 19A

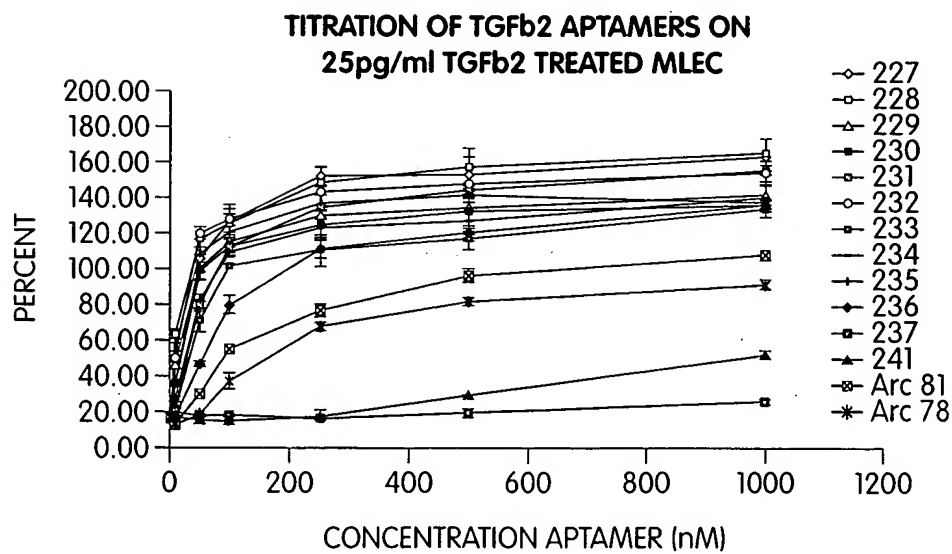


Fig. 19B

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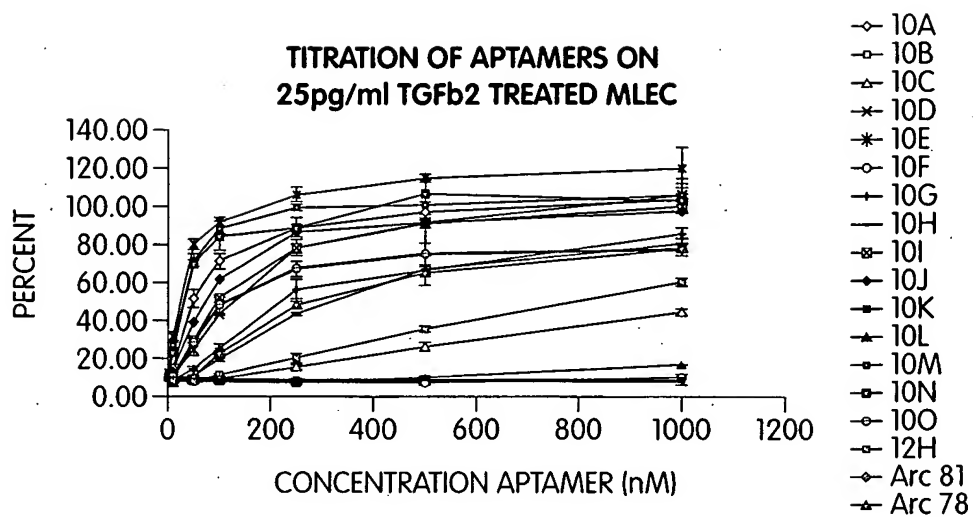


Fig. 20A

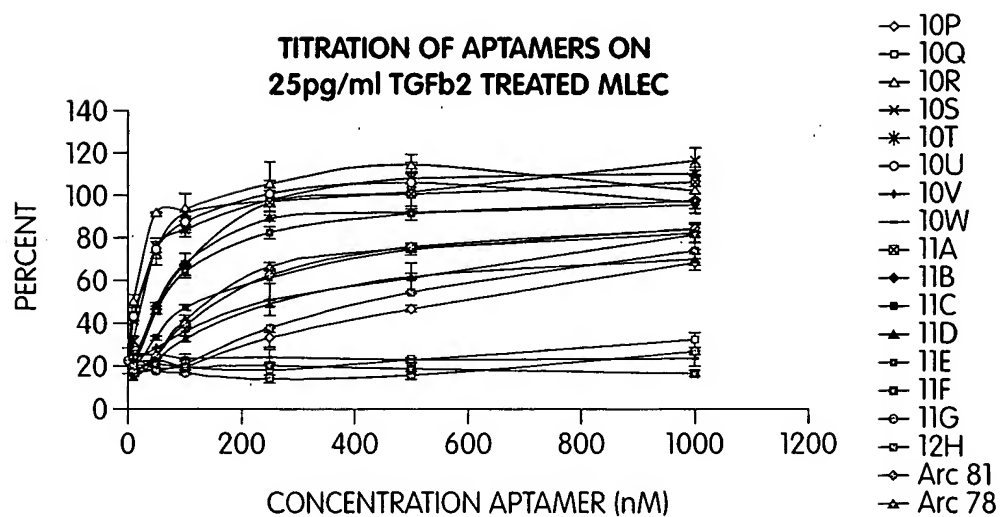


Fig. 20B

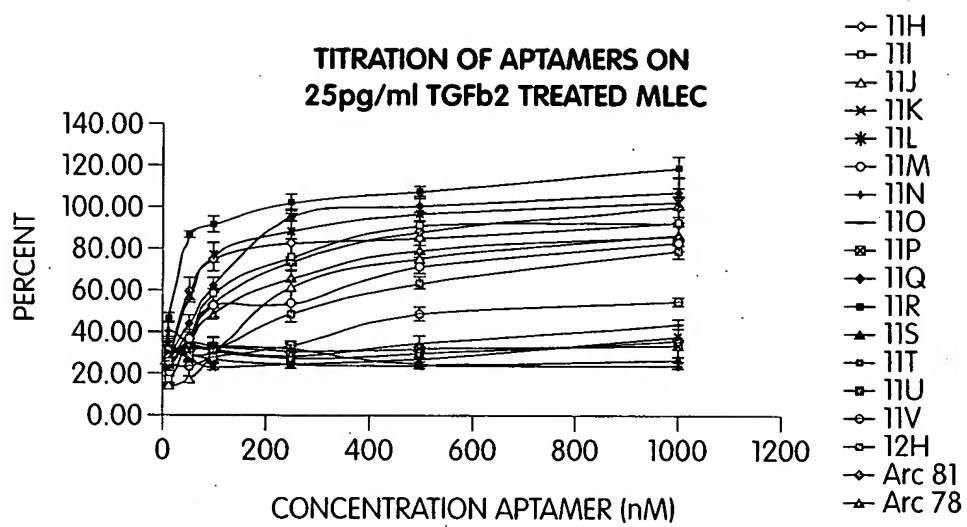


Fig. 20C

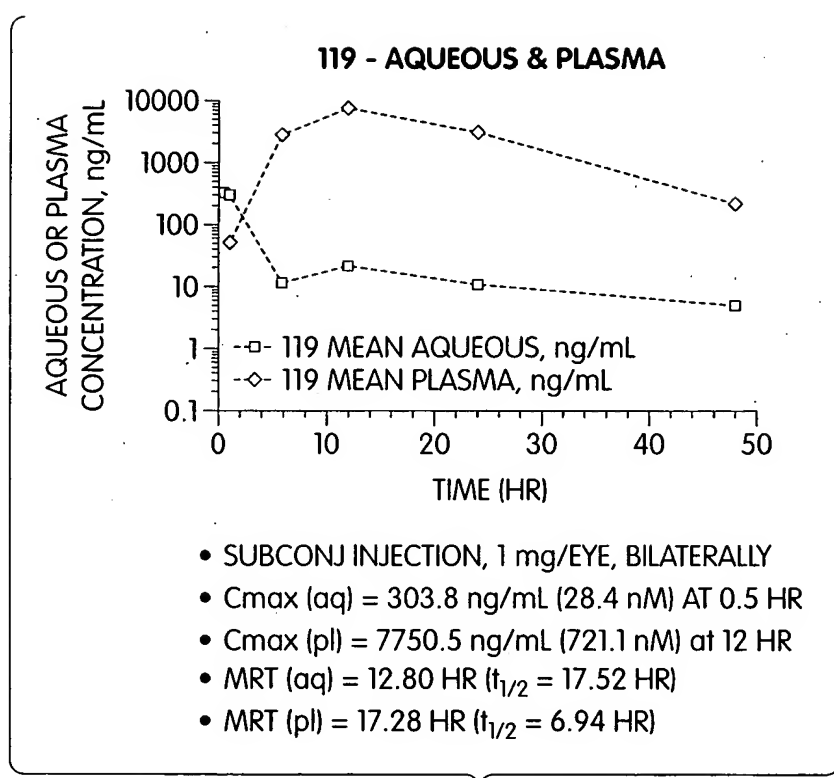
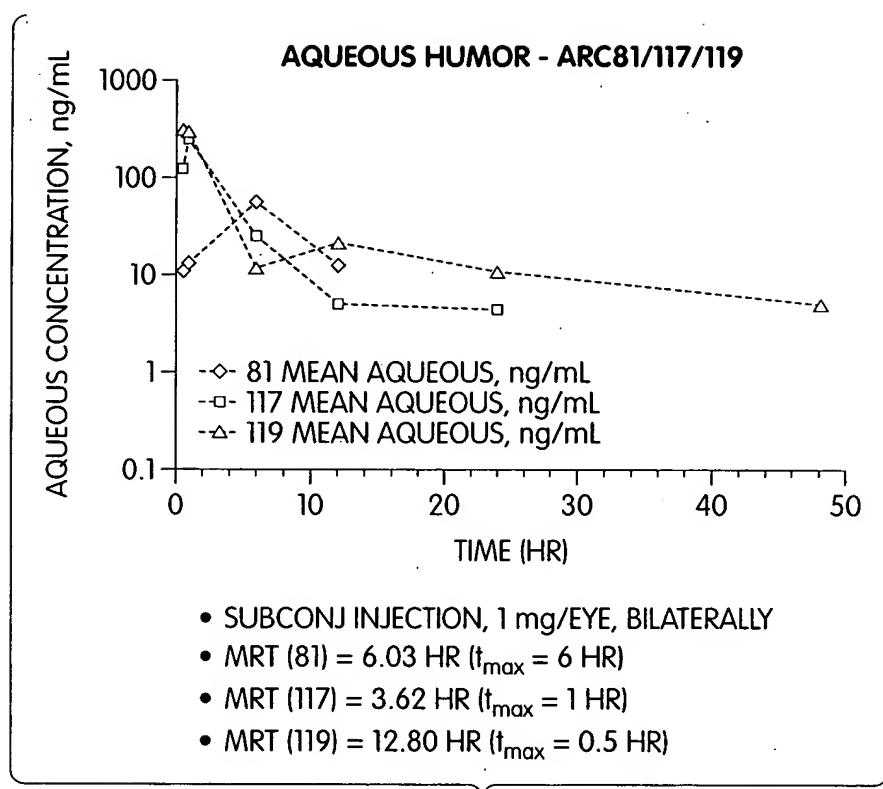


Fig. 21A

**Fig. 21B**

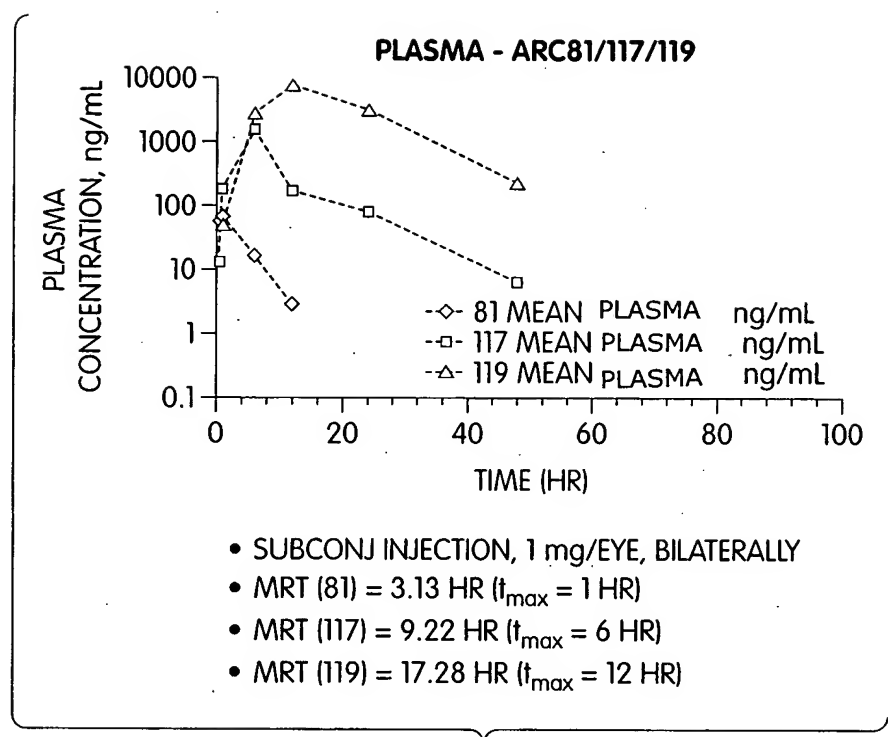


Fig. 21C



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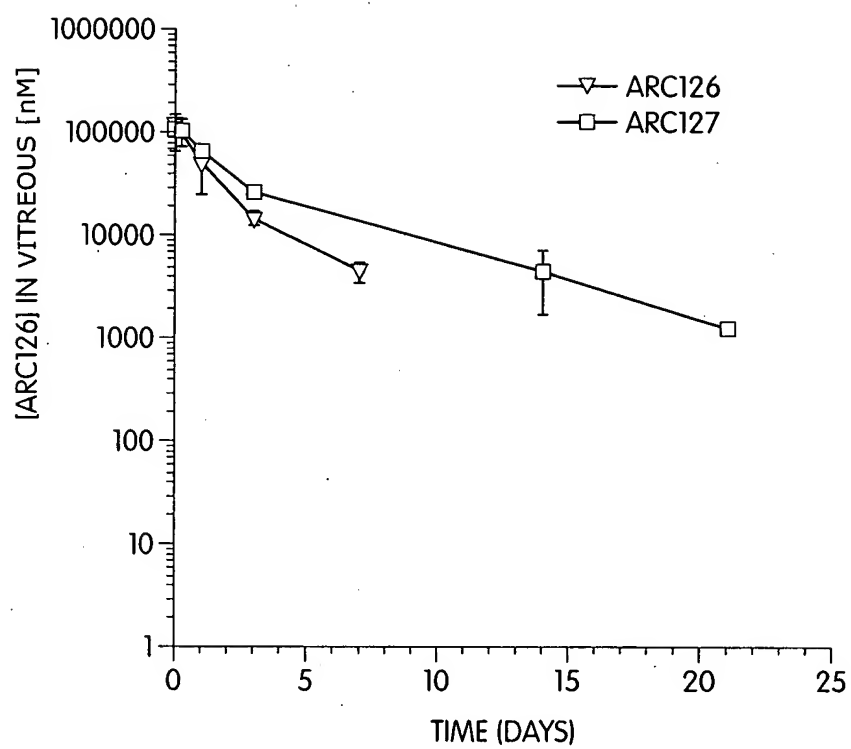


Fig. 22A

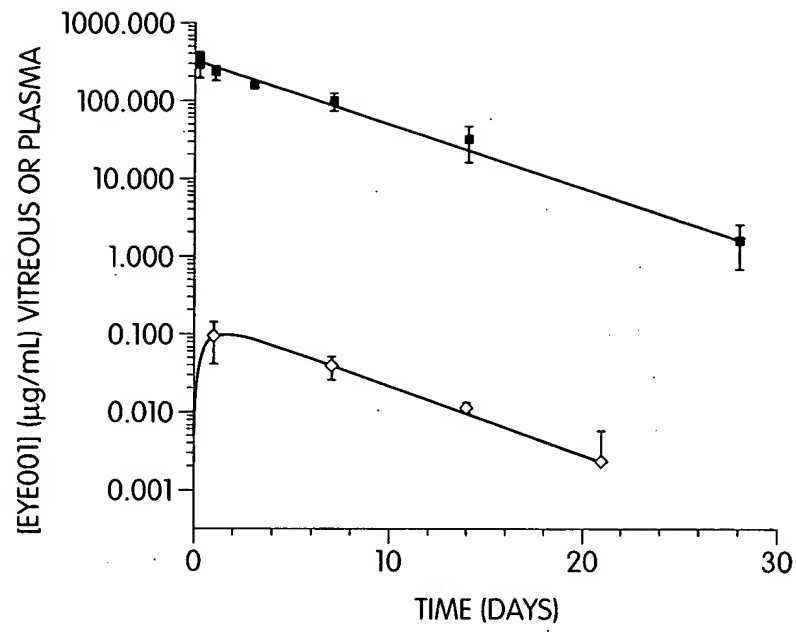


Fig. 22B

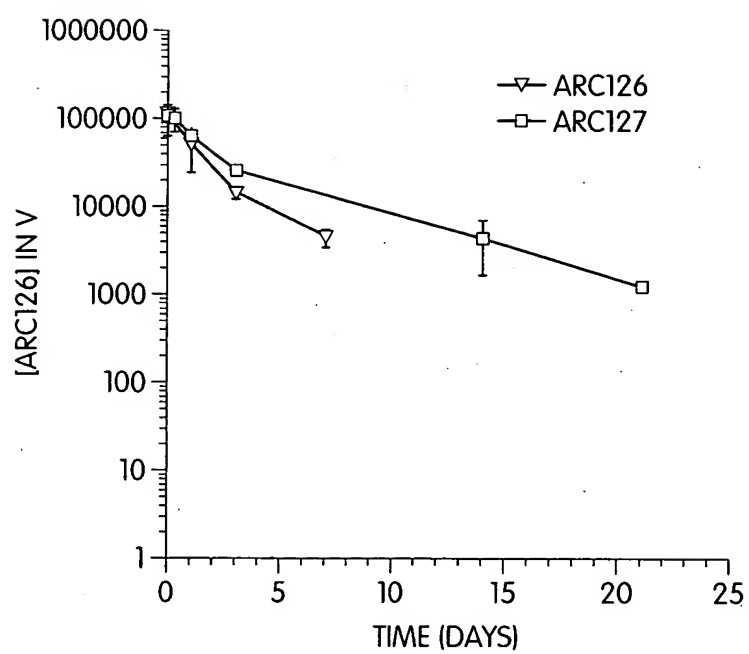


Fig. 22C

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